

Mineral Industry Surveys

For information, contact:

Patricia A. Plunkert, Aluminum Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4979, Fax: (703) 648-7757
E-mail: pplunker@usgs.gov

Micheal George (Data)
Telephone: (703) 648-7962
Fax: (703) 648-7975

MINES FaxBack: (703) 648-4999
Internet: <http://minerals.usgs.gov/minerals>

ALUMINUM IN JUNE 1999

The reported domestic primary aluminum production in June was 309,875 metric tons. The average daily production rate was 10,329 tons, slightly higher than that of the previous month and that of June 1998.

The monthly average U.S. market price of primary aluminum ingot decreased from 64.5 cents per pound (¢/lb) in May to 63.1¢/lb in June, according to *Platt's Metals Week*. According to *American Metal Market*, the buying price range for processed aluminum used beverage can (UBC) scrap held steady at 46 to 47¢/lb during the month of June. According to Resource Recycling's *Container Recycling Report*, the monthly average transaction price for aluminum UBC's increased slightly from 47.9¢/lb in May to 48.1¢/lb in June.

Update

The monthly average U.S. market price of primary aluminum ingot increased to 67.5¢/lb in July. On July 9, the *American*

Metal Market buying price range for aluminum UBC's increased to 48 to 50¢/lb. The price range remained at this level through the end of the month.

New USGS Publication

The 1990 U.S. Bureau of Mines publication, *Primary Aluminum Plants Worldwide*, has been updated and is now available. The 1998 USGS edition of *Primary Aluminum Plants Worldwide* is published in two parts. Part I - Detail contains information on individual primary smelter capacity, location, ownership, sources of energy, and other miscellaneous information. Part II - Summary summarizes the capacity data by country. This free publication, which is a directory of primary aluminum smelters around the world, is available in paper copy only and may be obtained by sending your mailing address to the aluminum specialist (address, etc. given above).

TABLE 1
COMPONENTS OF ALUMINUM SUPPLY 1/

(Thousand metric tons)

Period	Primary production	Secondary recovery 2/			Imports for consumption			Total new supply 3/	Total stocks, end of period 4/
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
1998 5/	3,713	1,950 r/	1,500 r/	3,440 r/	2,400	649	3,050	10,200 r/	1,930
1998:									
June	307	153	120	273	243	54	297	877	1,900
July	319	143	117	261	170	56	226	805	1,930
August	318	163	121	285	204	55	259	862	1,880
September	309	171	118	289	198	53	251	849	1,860
October	315	171	122	293	198	54	253	860	1,870
November	307	161	117	279	189	55	244	829	1,870
December	317	165	107	272	177	51	229	818	1,930
January-June	1,829	923	723	1,650	1,260	324	1,580	5,060	1,900
1999:									
January	315	163	107	270	191	58	248	833	1,890
February	287	164	112	276	200	54	254	817	1,870
March	320	180	120	300	240	62	302	922	1,800
April	309	181 r/	113	295	311	63	374	977	1,810
May	319	174 r/	118 r/	293 r/	281	67	348	960	1,830
June	310	177	120	298	NA	NA	NA	NA	NA
January-June	1,859	1,040	690	1,730	NA	NA	NA	NA	NA

r/ Revised. NA Not available.

1/ Data are rounded to three significant digits, except "Primary production"; may not add to totals shown.

2/ Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

3/ Primary production, secondary recovery, and imports for consumption.

4/ Includes scrap; 1998 data from Current Industrial Reports, Series M33D, U.S. Department of Commerce, Bureau of the Census. 1999 data from the Aluminum Association Inc.

5/ Includes monthly and annual data.

TABLE 2
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP 1/

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery
1998 2/	2,290 r/	1,670 r/	1,290 r/	1,140 r/	591 r/	550 r/	80 r/	70 r/	17 r/	17 r/	4,270 r/	3,440 r/
1998:												
June	167	128	111	98	45	42	6	4	1	1	330	273
July	161	122	106	93	46	43	1	1	1	1	315	261
August	173	131	114	101	48	45	8	7	1	1	344	285
September	173	133	106	94	58	54	8	7	1	1	346	289
October	176	135	115	102	50	46	10	9	1	1	351	293
November	175	134	106	94	46	42	8	7	(3/)	(3/)	335	279
December	170	129	105	94	45	42	8	7	1	1	328	272
January-June	1,010	768	654	581	277	257	43	38	3	3	1,980	1,650
1999:												
January	176	132	94	83	50	46	9	8	(3/)	(3/)	330	270
February	178	135	101	88	49	45	8	7	1	1	337	276
March	190	142	112	99	55	51	8	7	1	1	366	300
April	179 r/	135 r/	111	99	56	52	9	8	(3/)	(3/)	356 r/	295
May	182 r/	137 r/	113 r/	99 r/	52 r/	48 r/	9	8	(3/)	(3/)	356 r/	293 r/
June	182	137	114	101	55	51	9	8	(3/)	(3/)	361	298
January-June	1,090	819	645	569	317	294	52	46	3	3	2,110	1,730

r/ Revised.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes monthly and annual data.

3/ Less than 1/2 unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN JUNE 1999 1/

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	152,000	182,000	115,000	137,000
Integrated aluminum companies	114,000	114,000	101,000	101,000
Independent mill fabricators	45,800	54,900	42,400	50,900
Foundries	7,510	9,020	6,570	7,890
Other consumers	366	439	366	439
Total	320,000	361,000	265,000	298,000

1/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 4
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN
JUNE 1999 1/

(Metric tons)

	Stocks, opening	Net receipts 2/	Melted or consumed	Stocks, closing
New scrap:				
Solids	27,000	98,300	94,700	30,600
Can stock clippings	6,990 r/	20,200	23,000	4,240
Other clippings	6,340 r/	9,120	9,120	6,350
Borings and turnings	10,600	27,000	27,000	10,600
Dross and skimmings	2,070	39,200	39,200	2,070
Total new scrap	53,100 r/	194,000	193,000	53,900
Old scrap:				
Used casting, sheet, and clippings	11,600	45,900	45,700	11,800
Aluminum-copper radiators	2,450	2,110	2,140	2,420
Used cans (shredded, loose, baled)	24,100 r/	75,600	72,200	27,500
Fragmentized shredder (auto shredder)	2,200	5,680	5,730	2,140
Total old scrap	40,300 r/	129,000	126,000	43,900
Sweated pig	1,310	1,370	1,370	1,310
Total all classes	94,700 r/	324,000	320,000	99,100

r/ Revised.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS
IN THE UNITED STATES FOR 1999 1/ 2/

(Metric tons)

	Stocks, opening	Production June	Net shipments June	Stocks, closing	Production January- June 3/	Net shipments January- June 3/
Die cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	4,100	2,590	2,920	3,780	16,600	16,200
380 and variations	13,600	48,700	48,400	14,000	290,000	290,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	2,880	3,220	3,260	2,840	19,700	19,800
No. 319 and variations	8,270	15,300	15,400	8,120	92,800	92,500
F-132 alloy and variations	1,700	4,460	4,460	1,700	25,100	25,300
Al-Zn alloys	447	1,420	1,420	447	8,540	9,070
Al-Si alloys (0.6% to 2.0% Cu)	91	168	168	91	1,010	1,010
Al-Cu alloys (1.5% Si, max.)	--	77	77	--	462	462
Other 4/	3,560	12,700	11,500	4,780	74,300	73,600
Wrought alloys:						
Extrusion billets	5,050	16,400	16,500	4,950	96,100	96,300
Total all alloys	39,700	105,000	104,000	40,700	625,000	624,000
Less:						
Primary aluminum consumed	XX	7,340	XX	XX	42,500	XX
Primary silicon consumed	XX	4,520	XX	XX	27,300	XX
Other alloying ingredients consumed	XX	1,030	XX	XX	6,210	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot 5/	XX	92,100	XX	XX	549,000	XX

XX Not applicable.

1/ Excludes integrated aluminum companies.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Includes revised data from previous months.

4/ Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

5/ No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 1999 1/

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January-May	May	January-May	May	January-May	May	January-May
Argentina	2,040	6,890	--	7	885	1,500	2,930	8,390
Australia	1,780	27,800	140	700	--	--	1,920	28,500
Bahrain	3,460	10,100	2,220	9,370	--	--	5,680	19,500
Belgium	--	--	235	1,820	--	--	235	1,820
Brazil	3,380	20,200	23	43	1,820	19,500	5,220	39,700
Canada	121,000	619,000	36,000	176,000	23,600	109,000	181,000	904,000
France	76	173	1,090	5,000	857	4,460	2,020	9,630
Germany	231	505	2,210	15,800	152	1,640	2,600	18,000
Ghana	--	--	176	475	--	--	176	475
Hungary	--	--	481	1,460	--	--	481	1,460
Italy	--	1,220	229	1,220	161	517	390	2,950
Japan	80	172	1,870	9,650	41	423	1,990	10,200
Korea, Republic of	--	--	1,590	9,500	--	--	1,590	9,500
Mexico	201	693	1,360	6,370	6,610	38,200	8,170	45,200
Netherlands	--	757	279	1,420	1,460	4,800	1,740	6,980
Norway	468	1,160	27	1,530	--	61	495	2,750
Russia	130,000	388,000	12,700	29,200	2,300	19,800	145,000	437,000
South Africa	2,830	11,500	154	1,160	--	--	2,990	12,700
Spain	102	102	171	1,550	428	1,080	701	2,730
Sweden	--	(2/)	231	1,540	--	62	231	1,610
Switzerland	20	1,040	118	315	--	258	137	1,620
Tajikistan	2,110	17,200	--	--	--	--	2,110	17,200
Ukraine	1,750	16,100	--	--	730	1,120	2,480	17,200
United Arab Emirates	1,740	8,630	--	--	453	1,110	2,190	9,750
United Kingdom	309	4,860	1,070	5,710	1,500	11,300	2,870	21,800
Venezuela	8,590	48,000	536	5,160	1,460	8,200	10,600	61,400
Other	541	39,300	4,150	18,600	3,460	19,000	8,150	76,900
Total	281,000	1,220,000	67,000	303,000	45,900	242,000	394,000	1,770,000

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: Bureau of the Census.

TABLE 7
U.S. EXPORTS OF ALUMINUM IN MAY 1999 1/

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	January-		January-		January-		January-	
	May	May	May	May	May	May	May	May
Australia	37	113	275	1,170	36	43	348	1,320
Belgium	(2/)	32	1,320	5,630	--	19	1,320	5,680
Brazil	3	19	3,310	18,900	--	11	3,310	18,900
Canada	11,900	58,200	43,000	199,000	13,100	63,100	67,900	320,000
China	18	58	3,840	15,500	3,990	21,700	7,850	37,300
Dominican Republic	--	--	119	653	--	--	119	653
France	28	90	491	2,810	--	--	520	2,900
Germany	38	1,260	587	2,340	5	11	631	3,610
Hong Kong	60	256	390	1,760	3,360	13,600	3,810	15,600
India	--	214	22	115	35	612	58	941
Israel	27	84	238	1,320	38	38	303	1,440
Italy	--	39	199	1,100	--	43	199	1,180
Japan	4,520	24,800	727	5,330	2,980	16,400	8,230	46,600
Korea, Republic of	66	353	1,490	7,060	1,550	14,900	3,110	22,400
Malaysia	--	--	48	308	189	686	237	994
Mexico	8,040	29,600	12,600	56,300	3,540	19,500	24,200	105,000
Netherlands	--	92	92	582	2	6	94	680
Russia	--	4	1	7	--	--	1	11
Saudi Arabia	--	1	459	2,210	--	1	459	2,210
Singapore	3	33	168	633	397	1,110	568	1,770
Spain	--	--	94	618	6	17	100	635
Sweden	--	4	34	65	--	(2/)	34	69
Taiwan	51	200	1,130	4,420	3,410	14,800	4,590	19,400
Thailand	15	54	240	1,610	--	3	256	1,660
United Kingdom	165	345	1,360	6,720	63	243	1,580	7,300
Venezuela	--	222	1,050	7,390	--	--	1,050	7,610
Other	181	968	4,300	19,500	578	2,710	5,060	23,200
Total	25,200	117,000	77,500	363,000	33,200	170,000	136,000	650,000

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: Bureau of the Census.